

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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12/4/01

Applicant	:	Pradeep K. Agarwal et al	
Filed	:	Herewith	
For	:	SYSTEM FOR RECOVERY OF SULFUR AND HYDROGEN FROM SOUR GAS	
Docket No.	:	W02.PAT-12	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sirs:

Please enter this Preliminary Amendment:

IN THE CLAIMS

Please cancel claims 1 - 23.

Please add the following claims:

--24. An apparatus for converting H<sub>2</sub>S to elemental sulfur and hydrogen, the apparatus comprising:

conversion means for receiving H<sub>2</sub>S and for converting H<sub>2</sub>S to elemental sulfur and hydrogen at a predetermined temperature less than approximately four hundred (400°) degrees C.--

--25. The apparatus of claim 24 wherein the conversion means is a nonthermal plasma corona reactor.--

--26. The apparatus of claim <sup>24</sup>1 and further comprising: